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23	212	717/146.cccls.	US-PGPUB; EPO; JPO; DERWENT; IBM TDB USPAT;	2004/04/05 12:51
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28	198	717/159.cccls.	US-PGPUB; EPO; JPO; DERWENT; IBM TDB USPAT;	2004/04/05 13:00
29	37	717/164.cccls.	US-PGPUB; EPO; JPO; DERWENT; IBM TDB	2004/04/05 13:00

-	99	( "5701489" "6292940" "5845126" "5790859" "4773007" "5204939" "6074433" "6009273" "5202995" "5854933" "5857105" "5590332" "5634114" "5696971" "5768595" "5878261" "6324683" "6381738" "6487716" "6530079" "4607332" "6249907" "5999735" "5485619" "6002879" "6151704" "6286135" "5404531" "5274812" "6016397" "4821181" "5522074" "6055627" "5732210" "6442663" "5475842" "5410705" "5666533" "6073157" "5740443" "5920723" "5420965" "5598564" "5778232" "5535394" "5317743" "5432942" "5835771" "5606697" "5940620").pn. 25       preprocessor adj directive	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB	2004/04/02 12:56
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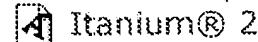
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**Results 1 - 16 of 16 short listing**

**1** EPIC compilation: Inlining of mathematical functions in HP-UX for 80%



Itanium® 2

James W. Thomas

**Proceedings of the international symposium on Code generation and optimization: feedback-directed and runtime optimization** March 2003

HP-UX compilers inline mathematical functions for Itanium Processor Family (IPF) systems to improve throughput 4X-8X versus external library calls, achieving speeds comparable to highly tuned vector functions, without requiring the user to code for a vector interface and without sacrificing accuracy or edge-case behaviors. This paper highlights IPF architectural features that support implementation of high-performance, high-quality math functions for inlining. It discusses strategies for utilizi ...

**2** Implementation of automatic differentiation tools 80%



Christian H. Bischof , Paul D. Hovland , Boyana Norris

**ACM SIGPLAN Notices , Proceedings of the 2002 ACM SIGPLAN workshop on Partial evaluation and semantics-based program manipulation** January 2002

Volume 37 Issue 3

Automatic differentiation is a semantic transformation that applies the rules of differential calculus to source code. It thus transforms a computer program that computes a mathematical function into a program that computes the function and its derivatives. Derivatives play an important role in a wide variety of scientific computing applications, including optimization, solution of nonlinear equations, sensitivity analysis, and nonlinear inverse problems. We describe a simple component architect ...

**3** A toolbox for program manipulation and efficient code generation with 80%



an application to a problem in computer vision

Michael B. Monagan , Gladys Monagan

**Proceedings of the 1997 international symposium on Symbolic and algebraic computation** July 1997

**4** upFRONT 77%



**Linux Journal** June 2000